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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/HBR/17/2022-2023 Date:07.04.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample : : Cement (ACC 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : MArch-2022

Date of Testing 05.04.2022 to 07.04.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50%	-

Note:

1. The Material is satisfied as per the requirement.

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/HBR/17/2022-2023 Date 07.04.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **Sri. H B Rajendra,** Contractor, Bangalore.
Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Date of Testing 07.04.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	72	7.20	7.20	92.8	90-100
2.36	106	10.60	17.80	82.2	75-100
1.18	149	14.90	32.70	67.3	55-90
600 Micron	238	23.80	56.50	43.5	35-59
300 Micron	165	16.50	73.00	27.0	8-30
150 Micron	175	17.50	90.50	9.5	0-10

Note:

1. The Material is satisfied as per the requirement.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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Job No.: SCE/BBMP/HBR/17/2022-2023

Date 07.04.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Date of Testing 07.04.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	217	1.45	1.45	98.55	95-100
20	8325	55.50	56.95	43.05	30-70
10	3201	21.34	78.29	21.71	10-35
4.75	2699	17.99	96.28	3.72	0-5

Note:

1. The Material is satisfied as per the requirement.

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Job No : SCE/BBMP/HBR/17/2022-2023 Date 07.04.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Date of Testing 07.04.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	207	4.1	4.1	95.9	95-100
10	2348	47.0	51.1	48.9	25-55
4.75	2135	42.7	93.8	6.2	0-10

Note:

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/HBR/17/2022-2023 Date 07.04.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **Sri. H B Rajendra,** Contractor, Bangalore.
Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Date of Testing 07.04.2022
Material : Plastering Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	19	1.90	1.90	98.1	95-100
2.36	17	1.70	3.60	96.4	95-100
1.18	23	2.30	5.90	94.1	90-100
600 Micron	65	6.50	12.40	87.6	80-100
300 Micron	224	22.40	34.80	65.2	20-65
150 Micron	521	52.10	86.90	13.1	0-15

Note:
1. The Material is satisfied as per the requirement.

For SAPIENCE CONSULTANTS

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Job No.: SCE/BBMP/HBR/17/2022-2023 Date 07.04.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **Sri. H B Rajendra,** Contractor, Bangalore.
Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Date of Testing 07.04.2022
Material : Masonry Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	20	2.00	2.00	98.0	90-100
1.18	23	2.30	4.30	95.7	70-100
600 Micron	79	7.90	12.20	87.8	40-100
300 Micron	216	21.60	33.80	66.2	5-70
150 Micron	535	53.50	87.30	12.7	0-15

Note:
1. The Material is satisfied as per the requirement.

For SAPIENCE CONSULTANTS

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date 07.04.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Steel Dia/Length : 8mm,10mm,12mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 07.04.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.399	503	619	1.23	21
2	TMT	10	0.617	528	627	1.19	20
3	TMT	12	0.887	515	604	1.17	118

Note:

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 20.04.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Contractor	:	**: Sri. H B Rajendra,** Contractor, Bangalore.
Name of Work	:	: Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	20.04.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.359	2314.39	1.58	0.960	32.80	16.70	18.04	17.32	21.65
2	50.00	82.00	0.378	2347.73	1.64	0.960	33.90	17.27	18.65	17.90	22.38
3	50.00	84.00	0.394	2388.84	1.68	0.965	34.60	17.62	19.03	18.37	22.96

Note:

1. The Material is satisfied as per the requirement.

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Email: sapiencebangalore@gmail.com

Job No : SCE/BBMP/HBR/17/2022-2023

Date: 20.04.2022

PRECAST SLAB 250mm Thick(CORE) TEST REPORT

Client : : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of Work : : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

No.of Sample Tested : 03

Date of Testing : 20.04.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	90.00	115.00	1.702	2326.41	1.28	0.960	111.60	17.54	18.95	18.19	22.73
2	90.00	117.00	1.754	2356.51	1.30	0.960	112.80	17.73	19.15	18.38	22.98
3	90.00	121.00	1.842	2392.93	1.34	0.965	113.70	17.87	19.30	18.63	23.28

Note:

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 20.04.2022

KERB STONE (CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	:	**: Sri. H B Rajendra,** Contractor, Bangalore.
Name of Work	:	: Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	20.04.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	77.00	0.351	2321.60	1.54	0.950	25.20	12.83	13.86	13.17	16.47
2	50.00	79.00	0.363	2340.18	1.58	0.955	26.80	13.65	14.74	14.07	17.59
3	50.00	80.00	0.373	2374.59	1.60	0.957	27.30	13.90	15.02	14.37	17.96

Note:

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date 26.05.2022

GRADATION FOR DRY LEAN CONCRETE
MORTH TABLE-600-1

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of Work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Date of Testing 26.05.2022

Material : Dry Lean Concrete

Oven Dry Wt (gm): **10000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
26.5	0	0	0	100	100
19	1046	1046	10.5	89.5	75-95
9.5	2391	3437	34.4	65.6	50-70
4.75	1257	4694	46.9	53.1	30-55
2.36	3036	7730	77.3	22.7	17-42
0.6	422	8152	81.5	18.5	8-22
0.3	295	8447	84.5	15.5	7-17
0.15	476	8923	89.2	10.8	2-12
0.075	281	9204	92.0	8.0	0-10

Note:

1. The Material is satisfied as per the requirement.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 18.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	18.04.2022	8.198	287.1	12.76
2	11.04.2022	18.04.2022	8.147	263.5	11.71
3	11.04.2022	18.04.2022	8.110	272.2	12.10

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 18.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	18.04.2022	8.111	265.8	11.81
2	11.04.2022	18.04.2022	8.084	279.4	12.42
3	11.04.2022	18.04.2022	8.167	291.3	12.95

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

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Consultants and Engineers
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Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 18.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	18.04.2022	8.107	259.6	11.54
2	11.04.2022	18.04.2022	8.082	277.1	12.32
3	11.04.2022	18.04.2022	8.135	286.3	12.72

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 18.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	**: Sri. H B Rajendra,** Contractor, Bangalore.
Name of the work	: Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	18.04.2022	8.196	261.7	11.63
2	11.04.2022	18.04.2022	8.184	253.4	11.26
3	11.04.2022	18.04.2022	8.152	285.9	12.71

Note:

1. The material is satisfied as per the requirements.

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Date: 18.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	18.04.2022	8.152	269.5	11.98
2	11.04.2022	18.04.2022	8.107	280.7	12.48
3	11.04.2022	18.04.2022	8.133	273.1	12.14

Note:

1. The material is satisfied as per the requirements.

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 09.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	09.05.2022	8.101	402.3	17.88
2	11.04.2022	09.05.2022	8.118	369.6	16.43
3	11.04.2022	09.05.2022	8.137	384.1	17.07

Note:

1. The material is satisfied as per the requirements.

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Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

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Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	09.05.2022	8.109	387.8	17.24
2	11.04.2022	09.05.2022	8.161	398.6	17.72
3	11.04.2022	09.05.2022	8.140	365.5	16.24

Note:

1. The material is satisfied as per the requirements.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	09.05.2022	8.011	400.7	17.81
2	11.04.2022	09.05.2022	8.044	392.6	17.45
3	11.04.2022	09.05.2022	8.068	378.8	16.84

Note:

1. The material is satisfied as per the requirements.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	09.05.2022	8.116	371.5	16.51
2	11.04.2022	09.05.2022	8.158	389.2	17.30
3	11.04.2022	09.05.2022	8.174	360.4	16.02

Note:

1. The material is satisfied as per the requirements.

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Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

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Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	11.04.2022	09.05.2022	8.115	374.5	16.64
2	11.04.2022	09.05.2022	8.149	366.3	16.28
3	11.04.2022	09.05.2022	8.168	388.2	17.25

Note:

1. The material is satisfied as per the requirements.

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Date: 20.04.2022

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Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2022	20.04.2022	8.033	357.4	15.88
2	13.04.2022	20.04.2022	8.005	364.9	16.22
3	13.04.2022	20.04.2022	8.116	382.7	17.01

Note:

1. The material is satisfied as per the requirements.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2022	20.04.2022	8.129	377.8	16.79
2	13.04.2022	20.04.2022	8.180	363.9	16.17
3	13.04.2022	20.04.2022	8.156	355.8	15.81

Note:

1. The material is satisfied as per the requirements.

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Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2022	20.04.2022	8.019	354.2	15.74
2	13.04.2022	20.04.2022	8.045	367.3	16.32
3	13.04.2022	20.04.2022	8.111	380.4	16.91

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 20.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2022	20.04.2022	8.100	360.4	16.02
2	13.04.2022	20.04.2022	8.137	351.8	15.64
3	13.04.2022	20.04.2022	8.168	379.8	16.88

Note:

1. The material is satisfied as per the requirements.

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Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.04.2022	21.04.2022	8.006	359.9	16.00
2	14.04.2022	21.04.2022	8.084	368.8	16.39
3	14.04.2022	21.04.2022	8.127	383.5	17.04

Note:

1. The material is satisfied as per the requirements.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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For SAPIENCE CONSULTANTS

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Ph: 9448053634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 21.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.04.2022	21.04.2022	8.194	355.7	15.81
2	14.04.2022	21.04.2022	8.172	379.8	16.88
3	14.04.2022	21.04.2022	8.051	386.1	17.16

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 21.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.04.2022	21.04.2022	8.183	380.8	16.92
2	14.04.2022	21.04.2022	8.154	361.5	16.07
3	14.04.2022	21.04.2022	8.101	353.3	15.70

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 21.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.04.2022	21.04.2022	8.021	354.6	15.76
2	14.04.2022	21.04.2022	8.008	369.9	16.44
3	14.04.2022	21.04.2022	8.059	374.1	16.63

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 21.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	14.04.2022	21.04.2022	8.075	366.6	16.29
2	14.04.2022	21.04.2022	8.014	357.2	15.88
3	14.04.2022	21.04.2022	8.137	342.1	15.20

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 22.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.04.2022	22.04.2022	8.119	345.5	15.36
2	15.04.2022	22.04.2022	8.140	338.6	15.05
3	15.04.2022	22.04.2022	8.177	367.8	16.35

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

Date: 22.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.04.2022	22.04.2022	8.110	350.8	15.59
2	15.04.2022	22.04.2022	8.086	343.4	15.26
3	15.04.2022	22.04.2022	8.024	367.7	16.34

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 22.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.04.2022	22.04.2022	8.130	344.9	15.33
2	15.04.2022	22.04.2022	8.149	360.8	16.04
3	15.04.2022	22.04.2022	8.197	379.5	16.87

Note:

1. The material is satisfied as per the requirements.

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Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 22.04.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	15.04.2022	22.04.2022	8.051	384.5	17.09
2	15.04.2022	22.04.2022	8.103	396.2	17.61
3	15.04.2022	22.04.2022	8.166	371.2	16.50

Note:

1. The material is satisfied as per the requirements.

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Job No.: SCE/BBMP/HBR/17/2022-2023

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Date: 11.05.2022

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **Sri. H B Rajendra,** Contractor, Bangalore.

Name of the work : Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03), BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	13.04.2022	11.05.2022	8.161	483.2	21.48
2	13.04.2022	11.05.2022	8.059	500.4	22.24
3	13.04.2022	11.05.2022	8.027	515.2	22.90

Note:

1. The material is satisfied as per the requirements.

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